Index of Authors
For Volumes III and IV

BARKER, L. J.	After Office Hours	III—120
CIOFFI, P. P.	Measuring to Four Parts in a Billion	III—201
CURL, H. C.	Power Supply for Radio Receivers	III—191
CURTIS, A. M.	The String Oscillograph in War and Peace	IV—225
DALY, A. J.	Closing the Books	III—160
DARROW, K. K.	Mechanics Old and New	IV—417
DAVISSON, C. J.	Are Electrons Waves?	IV—257
DODGE, H. F.	Quality Rating of Telephone Products	IV—392
DOWEY, T. L.	Public-Address Systems	III— 50
FARNELL, W. C. F.	Reconstructing the Past	III—212
FIELD, F. E.	Evolution of the Input Transformer	III— 33
FIELD, J. C.	Dispatching Trains by Telephone	III—108
FIELD, J. C.	A Rectifier for Train Dispatching	IV—230
FOLKNER, G. W.	Gauges for Machine-Switching Equipment	III—166
FORSBERG, O. F.	Measuring Dial Speeds	IV—427
FRACKER, E. G.	When the Radio Squeals	III—113
GLEASON, D. H.	Measuring the Resistance of Sliding Contacts	IV—285
HANCE, P. D., JR.	Eleven Miles of Wire	IV—435
HARGAN, A. D.	Odd Tools for Machine-Switching Apparatus	III— 9
HARTLEY, R. V. L.	Mechanical Filters	IV—266
HARTNETT, J. S.	What is Service?	III— 63
HARTNETT, J. S.	The Life of a Pioneer	III— 96
HAYES, A. W.	The Transmitter Life Test	III— 94
HAYFORD, W. S.	A Modern Inquisition	III— 91
HEARD, W. L.	Drafting of Telephone Systems	IV—396
HEINDEL, H. J.	Concealing the Wires	III— 24
HOCKER, C. D.	Cable Corrosion	IV—273

JOHNSON, E. J.	Light Finish in Central Offices	IV—355
JOHNSON, J. B.	Thermal Agitation of Electricity	III—185
KAMMERER, F. S.	Stroboscopic Analysis	III—176
KELLY, J. B.	Phonograph Records Illustrating Distortion	III—204
KING, R. W.	Irving B. Crandall	IV—406
KINGSBURY, B. A.	The Loudness of Pure Tones	III—188
KNOX, W. G.	Development of Light Colored Finishes	IV—358
LIVINGSTON, F. B.	From Conference to Cable	III—146
LONG, M. B.	Introducing the 1926 College Graduate	III— 60
LUMSFORD, R. L.	How the P.B.X. Gets Its Power	III— 87
MATHISON, D. W.	Wax Lubricants	IV—390
MCKEEHAN, L. W.	A Physical Background for Permalloy	III—105
MCKEEHAN, L. W.	Iron Crystals	IV—343
MCMURRY, F. R.	Telegraphy by Typewriter	III— 3
MEAD, E. D.	Saving by Swaging	III— 83
MELHUISH, L. E.	An Announcing System for Battleships	IV—270
MERCNER, R. O.	Research Design	IV—370
MILLER, R. A.	A New Amplifier for Train Dispatching	IV—229
MILLS, JOHN	D. & R.	III— 15
MILLS, JOHN	The Silent Drama of Telephony	III— 39
MONTCHYK, E.	Accelerated Laboratory Tests	III—155
MOORE, C. R.	Electro-Mechanical Oscillators	IV—237
MOORE, C. R.	Eavesdropping on Bank Robbers	IV—363
MORRISON, G. F.	Cooling our Drinking Water	IV—403
NELSON, E. L.	Our New Radio Laboratory at Whippany	III— 46
PETTIT, I. C.	Magnetic Materials	III—171

PORTER, L. F.	A New Type of Toll Switchboard	IV—337
PRITCHARD, W. T.	Novel Devices for Lubrication	IV—367
RASMUSSEN, F. J.	Frequency Measurements with the Cathode-Ray Oscillograph	IV—281
SAWYER, W. G.	The Printed Form	IV—233
SCHELLING, J. C.	Long Waves or Short	IV—349
SCHUMACHER, E. E.	The Hardening of Lead	IV—420
SIEGMUND, H. O.	The Electrolytic Condenser	IV—276
SLAUGHTER, N. H.	Four Years' Progress in Radio Broadcasting	III— 1
STEINBERG, J. C.	Understanding Women	III—153
STOLLER, H. M.	The Television Timer	IV—386
THOMAS, G. B.	Human Relations in Employment	III— 6
THOMAS, G. B.	The Ounce of Prevention	IV—243
TOWNSEND, J. R.	Lead Cable Sheath	III—198
VAN INWAGEN, C. L.	Mechanical Distribution of Toll Tickets	III— 72
VOGEL, J. C.	A Direct-Reading Inductance Standard	IV—399
WEBER, A. F.	Retired from Active Service	IV—424
WEGEL, R. L.	A Piano-String Model of the Human Ear	III—117
WILLIAMS, R. R.	Insulation for Submarine Cables	IV—381
WILLIS, F. C.	Marking the Overload Point	IV—261
WILSON, W.	Reducing the Cost of Electrons	III— 69

Index of Subjects
For Volumes III and IV

Accounting Method, Laboratories'	*Daly*	III—160
Amplifier, 33-A	*Miller*	IV—229
Battleship Announcing System	*Melhuish*	IV—270
Building Service	*Barker*	III—120
Burglar Alarm for Bank Vaults	*Moore*	IV—363
Cable Corrosion	*Hocker*	IV—273
Cable Development, History	*Livingston*	III—146
Cable for a Special Test Panel	*Hance*	IV—435
Cable Sheath	*Townsend*	III—198
Cable, Submarine, Insulation for	*Williams*	IV—381
College Graduates, Introductory Course for	*Long*	III— 60
Condenser, Electrolytic	*Siegmund*	IV—276
Contact Resistance	*Gleason*	IV—285
D. & R. Department of A. T. & T. Co.	*Mills*	III— 15
Dial Tester	*Forsberg*	IV—427
Drafting Methods	*Heard*	IV—396
Drinking-Water System	*Morrison*	IV—403
Ear, Piano-String Model	*Wegel*	III—117
Electron Scattering	*Davisson*	IV—257
Employee Relations Policy	*Thomas*	III— 6
Gauges, Machine-Switching	*Folkner*	III—166
Ionization Manometer		III— 26
Inductance Measuring Standard	*Vogel*	IV—399
Iron Crystals	*McKeehan*	IV—343
Laboratory, Interior Power Wiring	*Heindel*	III— 24
Lead Alloys	*Schumacher*	IV—420
Life Tests, Accelerated	*Montchyk*	III—155
Life Tests, Transmitter	*Hayes*	III— 94
Light Finishes, Development	*Knox*	IV—358
Light Finishes in Central Offices	*Johnson*	IV—355
Loudness of Pure Tones	*Kingsbury*	III—188
Lubricators, Machine-Switching	*Pritchard*	IV—367
Lubricants, Wax	*Mathison*	IV—390
Machine-Switching Operation, Elements of		III— 78
Machine-Switching Tools	*Hargan*	III— 9
Magnetic Materials	*Pettit*	III—171
Magnetostriction Measurement	*Cioffi*	III—201

Mechanical Filters	*Hartley*	IV—266
Mechanics of Radiation	*Darrow*	IV—417
Medical Department	*Thomas*	IV—243
Oscillators, Electro-Mechanical	*Moore*	IV—237
Oscillograph, String	*Curtis*	IV—225
Oscillograph, Cathode-Ray	*Rasmussen*	IV—281
P. B. X. Power Supply	*Lunsford*	III— 87
Permalloy, Physical Background	*McKeehan*	III—105
Printed Forms	*Sawyer*	IV—233
Public-Address Systems	*Dowey*	III— 50
Quality-Rating	*Dodge*	IV—392
Radio Broadcasting Progress	*Slaughter*	III— 1
Radio Power Supply	*Curl*	III—191
Radio Squeals	*Fracker*	III—113
Radio Waves	*Schelleng*	IV—349
Rectifier, 60-A	*Field*	IV—230
Relay Design	*Mead*	III— 83
Research Design	*Mercner*	IV—370
Service, The Idea of	*Hartnett*	III— 63
Speech, Male and Female Compared	*Steinberg*	III—153
Speech, Phonograph Records of Distortion	*Kelly*	III—204
Stroboscopic Analysis	*Kammerer*	III—176
Switchboard, Coy	*Farnell*	III—212
Switchboard, No. 3 Toll	*Porter*	IV—337
Telegraph Printing	*McMurry*	III— 3
Telephony, The Silent Drama of	*Mills*	III— 39
Television—A Group Achievement		IV—317
Television by Radio		IV—305
Television Carrier Wave		IV—325
Television Demonstration		IV—297
Television "Ghosts"		IV—325
Television, Principles and Apparatus		IV—307
Television, Research and Development		IV—313
Television Timer	*Stoller*	IV—386
Testing Laboratory	*Hayford*	III— 91
Thermal Agitation of Electricity	*Johnson*	III—185
Ticket Distribution, Toll	*Van Inwagen*	III— 72
Train Dispatching by Telephone	*Field*	III—108
Transformer Development	*Field*	III— 33
Vacuum Tube Development	*Wilson*	III— 69
Vacuum Tube Overload Point	*Willis*	IV—261

Vitaphone . . . . . III—126
Watson, T. A., Biography . . . . *Hartnett* . III— 96
Whippany Radio Laboratory . . . . *Nelson* . . III— 46